

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P937701

Luminaire Tested: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P937701
REPORT IS A COMBINATION OF REPORTS P933559 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

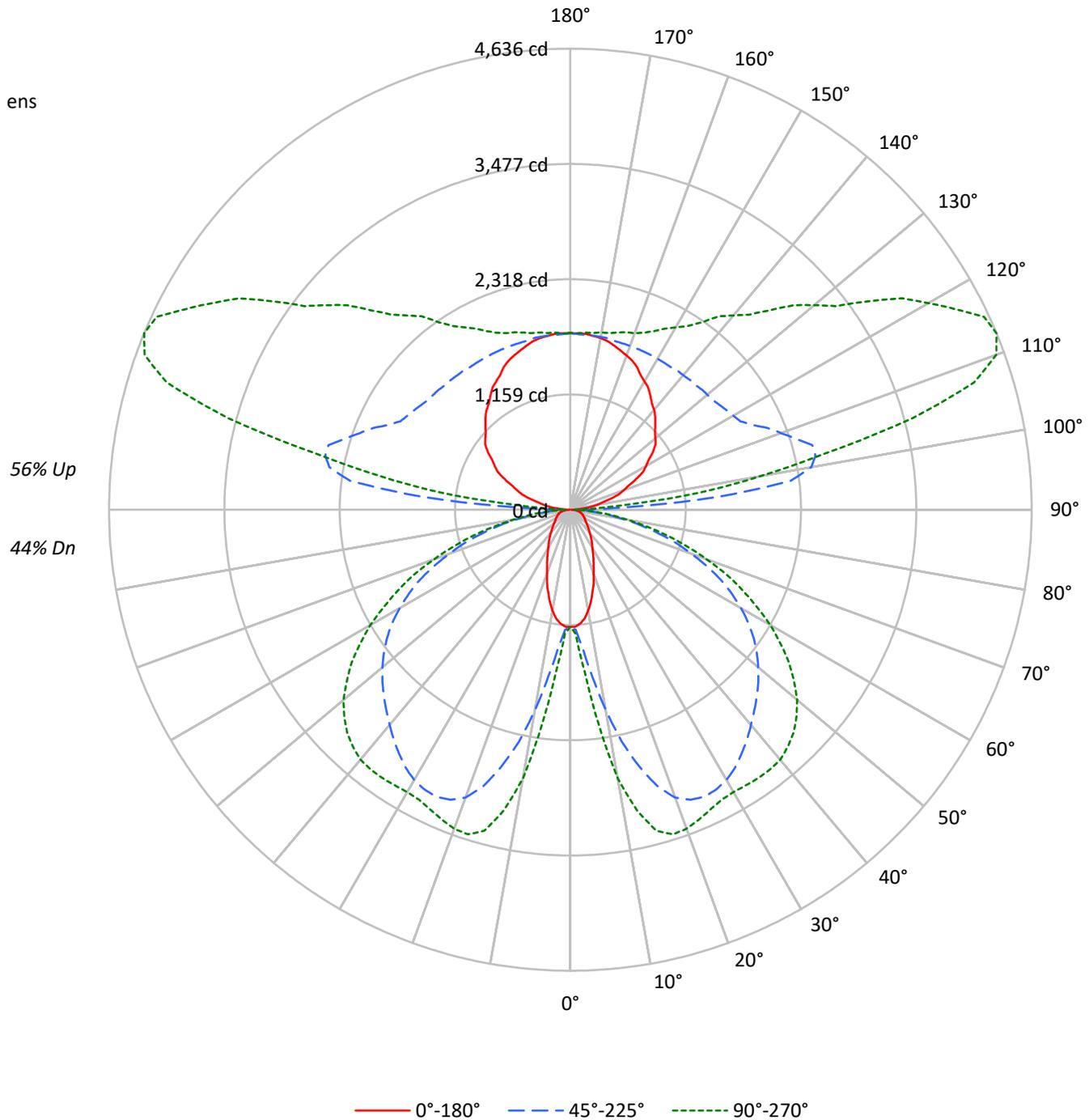
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20624.2 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 174
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P937701
CATALOG NUMBER: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

Luminous Intensity Polar Plot





TEST NUMBER: P937701

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 | | | 44 |
| 1 | 96 | 91 | 87 | 84 | 88 | 84 | 80 | 77 | 69 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 | | | 36 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 60 | 56 | 53 | 49 | 46 | 43 | 38 | 36 | 34 | 30 | | | 30 |
| 3 | 79 | 69 | 62 | 56 | 72 | 63 | 57 | 52 | 53 | 48 | 44 | 43 | 39 | 36 | 33 | 31 | 29 | 24 | | | 24 |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 38 | 34 | 30 | 29 | 27 | 24 | 20 | | | 20 |
| 5 | 66 | 54 | 46 | 39 | 60 | 49 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 | | | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 31 | 37 | 31 | 27 | 30 | 26 | 22 | 24 | 20 | 18 | 15 | | | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 | 13 | | | 13 |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 19 | 16 | 14 | 11 | | | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 18 | 15 | 12 | 10 | | | 10 |
| 10 | 44 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 16 | 14 | 16 | 13 | 11 | 9 | | | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|-------|
| 0° | 3641 | 3641 | 3641 |
| 5° | 3559 | 4210 | 4894 |
| 10° | 3229 | 6138 | 8114 |
| 15° | 2745 | 8021 | 9798 |
| 20° | 2236 | 9297 | 9985 |
| 25° | 1866 | 9731 | 9782 |
| 30° | 1574 | 9795 | 9764 |
| 35° | 1392 | 9635 | 10016 |
| 40° | 1214 | 9426 | 10277 |
| 45° | 1100 | 9274 | 10317 |
| 50° | 1010 | 9138 | 10147 |
| 55° | 968 | 8938 | 9697 |
| 60° | 992 | 8549 | 8987 |
| 65° | 1034 | 7956 | 8011 |
| 70° | 1104 | 6944 | 6768 |
| 75° | 1229 | 5666 | 5282 |
| 80° | 1352 | 3934 | 3559 |
| 85° | 1225 | 2091 | 1821 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10317 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 152.3 | 0.7 |
| 10°-20° | 674.9 | 3.3 |
| 20°-30° | 1180.5 | 5.7 |
| 30°-40° | 1519.6 | 7.4 |
| 40°-50° | 1697.4 | 8.2 |
| 50°-60° | 1625.7 | 7.9 |
| 60°-70° | 1288.4 | 6.2 |
| 70°-80° | 757.6 | 3.7 |
| 80°-90° | 217.2 | 1.1 |
| 90°-100° | 865.5 | 4.2 |
| 100°-110° | 2275.5 | 11.0 |
| 110°-120° | 2359.4 | 11.4 |
| 120°-130° | 1892.6 | 9.2 |
| 130°-140° | 1485.0 | 7.2 |
| 140°-150° | 1139.8 | 5.5 |
| 150°-160° | 820.8 | 4.0 |
| 160°-170° | 502.2 | 2.4 |
| 170°-180° | 169.7 | 0.8 |
| 0°-30° | 2007.7 | 9.7 |
| 0°-40° | 3527.3 | 17.1 |
| 0°-60° | 6850.4 | 33.2 |
| 0°-90° | 9113.7 | 44.2 |
| 90°-120° | 5500.5 | 26.7 |
| 90°-150° | 10017.8 | 48.6 |
| 90°-180° | 11511.0 | 55.8 |
| 0°-180° | 20624.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1177 | 1177 | 1177 | 1177 | 1177 | |
| 5° | 1147 | 1230 | 1385 | 1567 | 1624 | 106 |
| 15° | 859 | 1586 | 2672 | 3240 | 3342 | 239 |
| 25° | 549 | 1798 | 3183 | 3323 | 3327 | 253 |
| 35° | 371 | 1718 | 2998 | 3168 | 3293 | 232 |
| 45° | 254 | 1370 | 2650 | 3036 | 3172 | 196 |
| 55° | 182 | 871 | 2248 | 2612 | 2684 | 166 |
| 65° | 144 | 462 | 1669 | 1877 | 1904 | 143 |
| 75° | 106 | 284 | 916 | 1007 | 1011 | 111 |
| 85° | 38 | 87 | 227 | 250 | 254 | 40 |
| 90° | 12 | 33 | 90 | 45 | 45 | 12 |
| 95° | 114 | 448 | 1491 | 769 | 523 | 127 |
| 105° | 410 | 621 | 2516 | 3819 | 3563 | 435 |
| 115° | 728 | 884 | 2015 | 4020 | 4588 | 719 |
| 125° | 1013 | 1136 | 1833 | 3097 | 3654 | 899 |
| 135° | 1207 | 1329 | 1776 | 2500 | 2835 | 934 |
| 145° | 1400 | 1490 | 1753 | 2133 | 2300 | 877 |
| 155° | 1582 | 1627 | 1753 | 1924 | 1981 | 727 |
| 165° | 1708 | 1730 | 1753 | 1822 | 1845 | 482 |
| 175° | 1776 | 1776 | 1765 | 1788 | 1788 | 169 |
| 180° | 1776 | 1776 | 1776 | 1776 | 1776 | |



TEST NUMBER: P937701

CATALOG NUMBER: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 | 1177.2 |
| 2.5° | 1177.2 | 1177.2 | 1184.8 | 1188.6 | 1196.1 | 1200.0 | 1207.5 | 1215.0 | 1237.8 | 1241.6 | 1249.1 |
| 5° | 1147.0 | 1162.0 | 1211.3 | 1230.2 | 1283.2 | 1355.1 | 1385.4 | 1434.6 | 1536.8 | 1567.1 | 1586.0 |
| 7.5° | 1101.5 | 1135.6 | 1256.7 | 1287.0 | 1419.4 | 1608.7 | 1688.2 | 1794.2 | 1957.0 | 2036.4 | 2100.8 |
| 10° | 1029.6 | 1101.5 | 1317.2 | 1389.1 | 1605.0 | 1892.6 | 2040.3 | 2187.9 | 2433.9 | 2543.6 | 2585.3 |
| 12.5° | 950.1 | 1067.4 | 1381.6 | 1480.1 | 1790.4 | 2210.5 | 2388.5 | 2551.3 | 2831.4 | 2979.0 | 3001.7 |
| 15° | 859.2 | 1018.2 | 1442.1 | 1586.0 | 1987.3 | 2475.6 | 2672.4 | 2873.0 | 3134.2 | 3240.1 | 3266.7 |
| 17.5° | 779.8 | 980.4 | 1499.0 | 1650.3 | 2138.6 | 2714.0 | 2914.7 | 3081.2 | 3293.1 | 3365.0 | 3384.0 |
| 20° | 681.3 | 919.9 | 1536.8 | 1733.6 | 2297.6 | 2888.1 | 3081.2 | 3209.9 | 3353.7 | 3399.1 | 3406.7 |
| 22.5° | 609.4 | 855.5 | 1559.5 | 1763.9 | 2403.6 | 2994.1 | 3156.8 | 3259.1 | 3357.5 | 3372.7 | 3376.4 |
| 25° | 548.8 | 783.6 | 1555.7 | 1798.0 | 2494.5 | 3058.5 | 3183.4 | 3259.1 | 3315.9 | 3323.4 | 3323.4 |
| 27.5° | 492.1 | 704.0 | 1540.6 | 1805.5 | 2562.6 | 3073.6 | 3172.0 | 3225.0 | 3251.5 | 3266.7 | 3266.7 |
| 30° | 442.8 | 628.4 | 1502.7 | 1790.4 | 2592.9 | 3058.5 | 3137.9 | 3164.5 | 3190.9 | 3213.7 | 3225.0 |
| 32.5° | 405.0 | 556.4 | 1446.0 | 1760.2 | 2596.6 | 3020.7 | 3077.4 | 3092.6 | 3130.4 | 3183.4 | 3202.3 |
| 35° | 370.9 | 484.5 | 1381.6 | 1718.5 | 2573.9 | 2960.0 | 2997.9 | 3013.0 | 3088.8 | 3168.2 | 3194.8 |
| 37.5° | 336.9 | 431.6 | 1298.3 | 1646.6 | 2539.9 | 2888.1 | 2914.7 | 2941.1 | 3058.5 | 3153.1 | 3183.4 |
| 40° | 302.8 | 386.1 | 1200.0 | 1567.1 | 2486.9 | 2801.1 | 2823.7 | 2865.4 | 3020.7 | 3130.4 | 3160.7 |
| 42.5° | 276.3 | 348.3 | 1094.0 | 1483.8 | 2418.7 | 2702.6 | 2736.7 | 2797.3 | 2975.2 | 3092.6 | 3126.6 |
| 45° | 253.6 | 310.4 | 980.4 | 1370.2 | 2331.7 | 2600.5 | 2649.6 | 2732.9 | 2922.2 | 3035.8 | 3066.0 |
| 47.5° | 230.9 | 283.9 | 863.0 | 1253.0 | 2237.1 | 2498.3 | 2562.6 | 2657.2 | 2850.3 | 2960.0 | 2986.6 |
| 50° | 212.0 | 257.4 | 745.7 | 1128.0 | 2134.9 | 2388.5 | 2464.2 | 2562.6 | 2759.5 | 2861.7 | 2895.8 |
| 52.5° | 196.8 | 234.6 | 635.9 | 1003.1 | 2017.5 | 2274.9 | 2362.0 | 2464.2 | 2649.6 | 2748.1 | 2770.8 |
| 55° | 181.7 | 215.7 | 541.3 | 870.6 | 1896.4 | 2153.8 | 2248.5 | 2346.8 | 2528.6 | 2611.8 | 2626.9 |
| 57.5° | 174.1 | 200.6 | 461.8 | 745.7 | 1767.7 | 2017.5 | 2123.5 | 2214.4 | 2384.7 | 2449.0 | 2464.2 |
| 60° | 162.7 | 189.3 | 401.2 | 639.7 | 1627.6 | 1888.8 | 1979.7 | 2070.5 | 2214.4 | 2267.4 | 2278.7 |
| 62.5° | 151.4 | 181.7 | 355.8 | 537.5 | 1483.8 | 1737.4 | 1828.3 | 1911.5 | 2032.7 | 2070.5 | 2085.6 |
| 65° | 143.8 | 174.1 | 321.7 | 461.8 | 1336.2 | 1578.4 | 1669.2 | 1741.3 | 1839.6 | 1877.4 | 1885.1 |
| 67.5° | 136.3 | 166.6 | 295.3 | 397.5 | 1188.6 | 1419.4 | 1487.6 | 1555.7 | 1631.4 | 1669.2 | 1673.1 |
| 70° | 124.9 | 159.0 | 272.6 | 352.0 | 1037.1 | 1237.8 | 1294.6 | 1366.5 | 1427.1 | 1446.0 | 1457.3 |
| 72.5° | 117.4 | 147.6 | 257.4 | 317.9 | 881.9 | 1063.7 | 1116.7 | 1158.3 | 1211.3 | 1230.2 | 1230.2 |
| 75° | 106.0 | 132.5 | 242.3 | 283.9 | 722.9 | 870.6 | 916.0 | 957.7 | 999.3 | 1006.9 | 995.5 |
| 77.5° | 94.6 | 117.4 | 208.2 | 238.5 | 564.0 | 688.9 | 726.8 | 749.5 | 783.6 | 791.1 | 794.9 |
| 80° | 79.5 | 102.2 | 162.7 | 185.5 | 408.8 | 507.2 | 533.7 | 552.7 | 582.9 | 582.9 | 590.5 |
| 82.5° | 60.5 | 79.5 | 117.4 | 132.5 | 276.3 | 348.3 | 370.9 | 382.3 | 401.2 | 401.2 | 401.2 |
| 85° | 37.8 | 49.2 | 75.7 | 87.1 | 166.6 | 212.0 | 227.1 | 230.9 | 246.0 | 249.8 | 249.8 |
| 87.5° | 18.9 | 26.5 | 49.2 | 53.0 | 87.1 | 109.7 | 109.7 | 117.4 | 117.4 | 113.5 | 109.7 |
| 90° | 11.9 | 21.5 | 30.9 | 33.3 | 52.4 | 77.8 | 90.5 | 80.5 | 60.4 | 45.3 | 45.3 |
| 92.5° | 47.7 | 128.6 | 209.7 | 230.0 | 323.4 | 447.8 | 510.1 | 447.0 | 321.0 | 226.4 | 217.5 |
| 95° | 114.4 | 262.7 | 411.0 | 448.1 | 795.6 | 1259.1 | 1490.8 | 1330.3 | 1009.3 | 768.6 | 741.3 |
| 97.5° | 197.8 | 328.6 | 459.5 | 492.2 | 1071.7 | 1844.4 | 2230.8 | 2129.4 | 1926.5 | 1774.4 | 1722.5 |
| 100° | 262.1 | 380.8 | 499.4 | 529.1 | 1172.2 | 2029.7 | 2458.5 | 2465.9 | 2480.7 | 2491.8 | 2430.0 |
| 102.5° | 317.0 | 427.6 | 538.3 | 566.0 | 1218.3 | 2088.0 | 2522.8 | 2652.0 | 2910.5 | 3104.3 | 3051.3 |
| 105° | 410.0 | 503.7 | 597.4 | 620.8 | 1252.5 | 2094.6 | 2515.7 | 2805.4 | 3384.8 | 3819.3 | 3790.9 |
| 107.5° | 505.3 | 592.7 | 680.1 | 701.9 | 1258.8 | 2001.3 | 2372.6 | 2776.8 | 3585.0 | 4191.1 | 4198.0 |
| 110° | 569.7 | 648.5 | 727.4 | 747.2 | 1249.2 | 1918.7 | 2253.4 | 2705.2 | 3608.8 | 4286.4 | 4316.1 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 632.8 | 708.0 | 783.2 | 802.0 | 1249.7 | 1846.6 | 2145.0 | 2607.4 | 3532.2 | 4225.7 | 4271.2 |
| 115° | 728.1 | 797.5 | 866.9 | 884.2 | 1261.2 | 1763.8 | 2015.1 | 2460.6 | 3351.4 | 4019.5 | 4082.6 |
| 117.5° | 822.3 | 885.3 | 948.3 | 964.1 | 1284.7 | 1712.0 | 1925.8 | 2327.7 | 3131.7 | 3734.7 | 3804.7 |
| 120° | 877.1 | 936.4 | 995.8 | 1010.6 | 1303.8 | 1694.6 | 1890.0 | 2257.3 | 2991.9 | 3542.9 | 3611.0 |
| 122.5° | 930.7 | 990.6 | 1050.4 | 1065.4 | 1331.2 | 1685.5 | 1862.6 | 2193.3 | 2854.9 | 3351.0 | 3418.1 |
| 125° | 1013.0 | 1067.5 | 1122.0 | 1135.7 | 1368.0 | 1677.9 | 1832.8 | 2113.8 | 2675.7 | 3097.2 | 3158.9 |
| 127.5° | 1079.6 | 1134.7 | 1189.8 | 1203.6 | 1405.0 | 1673.5 | 1807.8 | 2049.0 | 2531.5 | 2893.4 | 2945.5 |
| 130° | 1115.4 | 1174.7 | 1234.1 | 1248.9 | 1432.0 | 1676.2 | 1798.3 | 2013.0 | 2442.6 | 2764.7 | 2813.0 |
| 132.5° | 1152.4 | 1211.7 | 1271.0 | 1285.8 | 1453.8 | 1677.8 | 1789.9 | 1982.1 | 2366.7 | 2655.1 | 2698.3 |
| 135° | 1207.2 | 1261.2 | 1315.2 | 1328.7 | 1477.7 | 1676.3 | 1775.6 | 1936.6 | 2258.6 | 2500.1 | 2537.3 |
| 137.5° | 1263.2 | 1316.7 | 1370.1 | 1383.5 | 1513.4 | 1686.6 | 1773.2 | 1909.3 | 2181.6 | 2385.8 | 2416.2 |
| 140° | 1309.7 | 1359.0 | 1408.1 | 1420.5 | 1535.3 | 1688.3 | 1764.8 | 1882.4 | 2117.6 | 2294.0 | 2322.5 |
| 142.5° | 1345.4 | 1391.0 | 1436.5 | 1447.9 | 1553.5 | 1694.4 | 1764.8 | 1868.2 | 2074.7 | 2229.6 | 2254.1 |
| 145° | 1400.2 | 1439.9 | 1479.7 | 1489.6 | 1577.4 | 1694.5 | 1753.0 | 1837.4 | 2006.4 | 2133.1 | 2151.6 |
| 147.5° | 1455.0 | 1493.7 | 1532.4 | 1542.0 | 1612.3 | 1706.1 | 1753.0 | 1819.5 | 1952.4 | 2052.1 | 2067.5 |
| 150° | 1490.8 | 1525.7 | 1560.7 | 1569.4 | 1630.7 | 1712.2 | 1753.0 | 1809.2 | 1921.4 | 2005.6 | 2018.0 |
| 152.5° | 1527.7 | 1554.2 | 1580.7 | 1587.3 | 1642.5 | 1716.1 | 1753.0 | 1800.9 | 1896.7 | 1968.6 | 1978.0 |
| 155° | 1582.5 | 1602.1 | 1621.8 | 1626.7 | 1668.8 | 1724.9 | 1753.0 | 1791.1 | 1867.3 | 1924.5 | 1930.7 |
| 157.5° | 1623.0 | 1642.1 | 1661.2 | 1666.0 | 1695.0 | 1733.7 | 1753.0 | 1782.6 | 1841.9 | 1886.4 | 1890.8 |
| 160° | 1650.4 | 1665.3 | 1680.1 | 1683.9 | 1706.9 | 1737.6 | 1753.0 | 1778.4 | 1829.2 | 1867.3 | 1869.8 |
| 162.5° | 1677.8 | 1688.9 | 1700.1 | 1702.9 | 1719.6 | 1741.8 | 1753.0 | 1774.4 | 1817.3 | 1849.5 | 1851.8 |
| 165° | 1707.6 | 1717.7 | 1727.8 | 1730.3 | 1737.8 | 1747.9 | 1753.0 | 1768.4 | 1799.0 | 1822.0 | 1824.5 |
| 167.5° | 1735.0 | 1739.8 | 1744.6 | 1745.8 | 1752.1 | 1760.6 | 1764.8 | 1775.0 | 1795.1 | 1810.2 | 1811.3 |
| 170° | 1753.0 | 1757.8 | 1762.5 | 1763.7 | 1764.1 | 1764.6 | 1764.8 | 1775.0 | 1795.1 | 1810.2 | 1810.2 |
| 172.5° | 1762.5 | 1763.5 | 1764.6 | 1764.8 | 1764.8 | 1764.8 | 1764.8 | 1772.8 | 1788.7 | 1800.7 | 1799.7 |
| 175° | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1772.0 | 1767.2 | 1764.8 | 1769.9 | 1779.9 | 1787.5 | 1787.5 |
| 177.5° | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1772.9 | 1769.1 | 1767.2 | 1771.2 | 1779.2 | 1785.1 | 1784.0 |
| 180° | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 | 1775.6 |



TEST NUMBER: P937701

CATALOG NUMBER: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 0° | 1177.2 | 1177.2 |
| 2.5° | 1256.7 | 1249.1 |
| 5° | 1616.3 | 1623.9 |
| 7.5° | 2176.5 | 2172.7 |
| 10° | 2706.5 | 2740.5 |
| 12.5° | 3092.6 | 3100.1 |
| 15° | 3327.2 | 3342.4 |
| 17.5° | 3418.0 | 3421.9 |
| 20° | 3421.9 | 3414.3 |
| 22.5° | 3380.2 | 3372.7 |
| 25° | 3331.0 | 3327.2 |
| 27.5° | 3285.6 | 3289.4 |
| 30° | 3266.7 | 3278.0 |
| 32.5° | 3266.7 | 3285.6 |
| 35° | 3274.2 | 3293.1 |
| 37.5° | 3270.4 | 3293.1 |
| 40° | 3255.3 | 3281.8 |
| 42.5° | 3213.7 | 3232.6 |
| 45° | 3149.3 | 3172.0 |
| 47.5° | 3066.0 | 3081.2 |
| 50° | 2960.0 | 2975.2 |
| 52.5° | 2827.6 | 2831.4 |
| 55° | 2668.6 | 2683.7 |
| 57.5° | 2498.3 | 2502.0 |
| 60° | 2309.0 | 2320.4 |
| 62.5° | 2108.4 | 2108.4 |
| 65° | 1896.4 | 1904.0 |
| 67.5° | 1676.9 | 1695.8 |
| 70° | 1453.5 | 1457.3 |
| 72.5° | 1234.0 | 1234.0 |
| 75° | 1006.9 | 1010.7 |
| 77.5° | 791.1 | 791.1 |
| 80° | 586.8 | 590.5 |
| 82.5° | 405.0 | 412.6 |
| 85° | 253.6 | 253.6 |
| 87.5° | 117.4 | 106.0 |
| 90° | 45.3 | 45.3 |
| 92.5° | 181.4 | 145.4 |
| 95° | 632.2 | 523.1 |
| 97.5° | 1514.9 | 1307.3 |
| 100° | 2182.7 | 1935.3 |
| 102.5° | 2839.5 | 2627.7 |
| 105° | 3676.9 | 3563.1 |
| 107.5° | 4225.6 | 4253.1 |
| 110° | 4434.7 | 4553.4 |



TEST NUMBER: P937701

CATALOG NUMBER: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|--------|--------|
| 112.5° | 4453.5 | 4635.7 |
| 115° | 4335.3 | 4587.9 |
| 117.5° | 4084.9 | 4365.1 |
| 120° | 3883.1 | 4155.4 |
| 122.5° | 3686.6 | 3955.1 |
| 125° | 3406.3 | 3653.6 |
| 127.5° | 3154.3 | 3362.9 |
| 130° | 3005.7 | 3198.5 |
| 132.5° | 2870.9 | 3043.6 |
| 135° | 2686.1 | 2835.0 |
| 137.5° | 2538.0 | 2659.9 |
| 140° | 2436.4 | 2550.2 |
| 142.5° | 2352.1 | 2450.1 |
| 145° | 2225.8 | 2299.9 |
| 147.5° | 2128.9 | 2190.3 |
| 150° | 2067.9 | 2117.6 |
| 152.5° | 2015.6 | 2053.2 |
| 155° | 1955.6 | 1980.6 |
| 157.5° | 1908.3 | 1925.8 |
| 160° | 1879.9 | 1890.0 |
| 162.5° | 1861.4 | 1870.9 |
| 165° | 1834.7 | 1844.7 |
| 167.5° | 1815.5 | 1819.7 |
| 170° | 1810.2 | 1810.2 |
| 172.5° | 1796.0 | 1792.2 |
| 175° | 1787.5 | 1787.5 |
| 177.5° | 1779.8 | 1775.6 |
| 180° | 1775.6 | 1775.6 |



TEST NUMBER: P937701
 CATALOG NUMBER: SQ4-FB-100U-100D-B40-1D-UNV-STD-W-12

CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 4.95 | 5.79 | 5.94 | 6.80 | 8.15 | 18.14 | 18.98 | 19.13 | 20.00 | 21.34 |
| | 3H | 5.65 | 6.41 | 6.66 | 7.43 | 8.80 | 19.98 | 20.74 | 20.99 | 21.76 | 23.13 |
| | 4H | 5.95 | 6.67 | 6.97 | 7.69 | 9.07 | 20.63 | 21.35 | 21.65 | 22.37 | 23.75 |
| | 6H | 6.20 | 6.86 | 7.23 | 7.89 | 9.28 | 21.06 | 21.73 | 22.09 | 22.76 | 24.15 |
| | 8H | 6.26 | 6.90 | 7.30 | 7.94 | 9.33 | 21.19 | 21.82 | 22.22 | 22.86 | 24.25 |
| | 12H | 6.28 | 6.88 | 7.32 | 7.92 | 9.33 | 21.26 | 21.86 | 22.30 | 22.90 | 24.31 |
| 4H | 2H | 12.17 | 12.89 | 13.19 | 13.91 | 15.29 | 18.41 | 19.13 | 19.44 | 20.15 | 21.53 |
| | 3H | 13.73 | 14.33 | 14.77 | 15.39 | 16.78 | 20.46 | 21.06 | 21.49 | 22.11 | 23.50 |
| | 4H | 13.83 | 14.38 | 14.87 | 15.42 | 16.84 | 21.23 | 21.78 | 22.27 | 22.83 | 24.24 |
| | 6H | 13.83 | 14.31 | 14.89 | 15.38 | 16.79 | 21.77 | 22.25 | 22.82 | 23.32 | 24.72 |
| | 8H | 13.81 | 14.26 | 14.87 | 15.32 | 16.74 | 21.93 | 22.38 | 22.99 | 23.44 | 24.87 |
| | 12H | 13.77 | 14.17 | 14.84 | 15.25 | 16.67 | 22.03 | 22.43 | 23.10 | 23.51 | 24.94 |
| 8H | 4H | 15.27 | 15.72 | 16.33 | 16.78 | 18.20 | 21.29 | 21.73 | 22.34 | 22.79 | 24.22 |
| | 6H | 15.51 | 15.88 | 16.59 | 16.99 | 18.41 | 21.92 | 22.29 | 23.00 | 23.39 | 24.81 |
| | 8H | 15.53 | 15.86 | 16.62 | 16.94 | 18.38 | 22.14 | 22.47 | 23.23 | 23.55 | 24.99 |
| | 12H | 15.50 | 15.78 | 16.59 | 16.87 | 18.35 | 22.29 | 22.57 | 23.38 | 23.66 | 25.14 |
| 12H | 4H | 15.42 | 15.82 | 16.49 | 16.89 | 18.32 | 21.24 | 21.64 | 22.31 | 22.72 | 24.15 |
| | 6H | 15.77 | 16.10 | 16.86 | 17.18 | 18.62 | 21.90 | 22.23 | 22.99 | 23.31 | 24.75 |
| | 8H | 15.84 | 16.13 | 16.93 | 17.21 | 18.69 | 22.13 | 22.42 | 23.22 | 23.50 | 24.98 |